

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/469,641DATE: 11/08/95  
TIME: 16:57:11

INPUT SET: S7161.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

1  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: Hu, Jing-Shan  
6 Olsen, Henrik S  
7 Rosen, Craig A  
8  
9 (ii) TITLE OF INVENTION: Human Vascular Endothelial Growth Factor  
10 3  
11  
12 (iii) NUMBER OF SEQUENCES: 6  
13  
14 (iv) CORRESPONDENCE ADDRESS:  
15 (A) ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,  
16 Stewart & Olstein  
17 (B) STREET: 6 Becker Farm Road  
18 (C) CITY: Roseland  
19 (D) STATE: NJ  
20 (E) COUNTRY: USA  
21 (F) ZIP: 07068-1739  
22  
23 (v) COMPUTER READABLE FORM:  
24 (A) MEDIUM TYPE: Floppy disk  
25 (B) COMPUTER: IBM PC compatible  
26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30  
28  
29 (vi) CURRENT APPLICATION DATA:  
30 (A) APPLICATION NUMBER: 08/469,641  
31 (B) FILING DATE: 06-JUN-1995  
32 (C) CLASSIFICATION:  
33  
34 (viii) ATTORNEY/AGENT INFORMATION:  
35 (A) NAME: Ferraro, Gregory D  
36 (B) REGISTRATION NUMBER: 36,134  
37 (C) REFERENCE/DOCKET NUMBER: 325800-463  
38  
39 (ix) TELECOMMUNICATION INFORMATION:  
40 (A) TELEPHONE: 201-994-1700  
41 (B) TELEFAX: 201-994-1744  
42  
43  
44 (2) INFORMATION FOR SEQ ID NO:1:  
45  
46 (i) SEQUENCE CHARACTERISTICS:

ENTERED

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/469,641

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47      (A) LENGTH: 666 base pairs
48      (B) TYPE: nucleic acid
49      (C) STRANDEDNESS: Not Relevant
50      (D) TOPOLOGY: linear
51
52      (ii) MOLECULE TYPE: cDNA
53
54
55      (ix) FEATURE:
56          (A) NAME/KEY: CDS
57          (B) LOCATION: 1..666
58
59
60      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
61
62      ATG AGA AGG TGT AGA ATA AGT GGG AGG CCC CCG GCG CCC CCC GGT GTC      48
63      Met Arg Arg Cys Arg Ile Ser Gly Arg Pro Pro Ala Pro Pro Gly Val
64          1              5              10              15
65
66      CCC GCC CAG GCC CCT GTC TCC CAG CCT GAT GCC CCT GGC CAC CAG AGG      96
67      Pro Ala Gln Ala Pro Val Ser Gln Pro Asp Ala Pro Gly His Gln Arg
68          20              25              30
69
70      AAA GTG GTG TCA TGG ATA GAT GTG TAT ACT CGC GCT ACC TGC CAG CCC      144
71      Lys Val Val Ser Trp Ile Asp Val Tyr Thr Arg Ala Thr Cys Gln Pro
72          35              40              45
73
74      CGG GAG GTG GTG GTG CCC TTG ACT GTG GAG CTC ATG GGC ACC GTG GCC      192
75      Arg Glu Val Val Val Pro Leu Thr Val Glu Leu Met Gly Thr Val Ala
76          50              55              60
77
78      AAA CAG CTG GTG CCC AGC TGC GTG ACT GTG CAG CGC TGT GGT GGC TGC      240
79      Lys Gln Leu Val Pro Ser Cys Val Thr Val Gln Arg Cys Gly Gly Cys
80          65              70              75              80
81
82      TGC CCT GAC GAT GGC CTG GAG TGT GTG CCC ACT GGG CAG CAC CAA GTC      288
83      Cys Pro Asp Asp Gly Leu Glu Cys Val Pro Thr Gly Gln His Gln Val
84          85              90              95
85
86      CGG ATG CAG ATC CTC ATG ATC CGG TAC CCG AGC AGT CAG CTG GGG GAG      336
87      Arg Met Gln Ile Leu Met Ile Arg Tyr Pro Ser Ser Gln Leu Gly Glu
88          100             105             110
89
90      ATG TCC CTG GAA GAA CAC AGC CAG TGT GAA TGC AGA CCT AAA AAA AAG      384
91      Met Ser Leu Glu Glu His Ser Gln Cys Glu Cys Arg Pro Lys Lys Lys
92          115             120             125
93
94      GAC AGT GCT GTG AAG CCA GAC AGG GCT GCT ACT CCC CAC CAC CGT CCC      432
95      Asp Ser Ala Val Lys Pro Asp Arg Ala Ala Thr Pro His His Arg Pro
96          130             135             140
97
98      CAG CCC CGT TCT GTT CCG GGC TGG GAC TCT GCC CCC GGA GCA CCC TCC      480
99      Gln Pro Arg Ser Val Pro Gly Trp Asp Ser Ala Pro Gly Ala Pro Ser

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100	145	150	155	160	
101					
102	CCA GCT GAC ATC ACC CAA TCC CAC TCC AGC CCC AGG CCC CTC TGC CCA				528
103	Pro Ala Asp Ile Thr Gln Ser His Ser Ser Pro Arg Pro Leu Cys Pro				
104		165	170	175	
105					
106	CGC TGC ACC CAG CAC CAC CAG TGC CCT GAC CCC CGG ACC TGC CGC TGC				576
107	Arg Cys Thr Gln His His Gln Cys Pro Asp Pro Arg Thr Cys Arg Cys				
108		180	185	190	
109					
110	CGC TGT CGA CGC CGC AGC TTC CTC CGT TGT CAA GGG CGG GGC TTA GAG				624
111	Arg Cys Arg Arg Arg Ser Phe Leu Arg Cys Gln Gly Arg Gly Leu Glu				
112		195	200	205	
113					
114	CTC AAC CCA GAC ACC TGC AGG TGC CGG AAG CTG CGA AGG TGA				666
115	Leu Asn Pro Asp Thr Cys Arg Cys Arg Lys Leu Arg Arg *				
116		210	215	220	
117					
118					
119	(2) INFORMATION FOR SEQ ID NO:2:				
120					
121	(i) SEQUENCE CHARACTERISTICS:				
122	(A) LENGTH: 221 amino acids				
123	(B) TYPE: amino acid				
124	(D) TOPOLOGY: linear				
125					
126	(ii) MOLECULE TYPE: protein				
127					
128	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:				
129					
130	Met Arg Arg Cys Arg Ile Ser Gly Arg Pro Pro Ala Pro Pro Gly Val				
131	1	5	10	15	
132					
133	Pro Ala Gln Ala Pro Val Ser Gln Pro Asp Ala Pro Gly His Gln Arg				
134		20	25	30	
135					
136	Lys Val Val Ser Trp Ile Asp Val Tyr Thr Arg Ala Thr Cys Gln Pro				
137		35	40	45	
138					
139	Arg Glu Val Val Val Pro Leu Thr Val Glu Leu Met Gly Thr Val Ala				
140		50	55	60	
141					
142	Lys Gln Leu Val Pro Ser Cys Val Thr Val Gln Arg Cys Gly Gly Cys				
143		65	70	75	80
144					
145	Cys Pro Asp Asp Gly Leu Glu Cys Val Pro Thr Gly Gln His Gln Val				
146		85	90	95	
147					
148	Arg Met Gln Ile Leu Met Ile Arg Tyr Pro Ser Ser Gln Leu Gly Glu				
149		100	105	110	
150					
151	Met Ser Leu Glu Glu His Ser Gln Cys Glu Cys Arg Pro Lys Lys Lys				
152		115	120	125	

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153  
154 Asp Ser Ala Val Lys Pro Asp Arg Ala Ala Thr Pro His His Arg Pro  
155 130 135 140  
156  
157 Gln Pro Arg Ser Val Pro Gly Trp Asp Ser Ala Pro Gly Ala Pro Ser  
158 145 150 155 160  
159  
160 Pro Ala Asp Ile Thr Gln Ser His Ser Ser Pro Arg Pro Leu Cys Pro  
161 165 170 175  
162  
163 Arg Cys Thr Gln His His Gln Cys Pro Asp Pro Arg Thr Cys Arg Cys  
164 180 185 190  
165  
166 Arg Cys Arg Arg Arg Ser Phe Leu Arg Cys Gln Gly Arg Gly Leu Glu  
167 195 200 205  
168  
169 Leu Asn Pro Asp Thr Cys Arg Cys Arg Lys Leu Arg Arg  
170 210 215 220  
171

## 172 (2) INFORMATION FOR SEQ ID NO:3:

173  
174 (i) SEQUENCE CHARACTERISTICS:  
175 (A) LENGTH: 29 base pairs  
176 (B) TYPE: nucleic acid  
177 (C) STRANDEDNESS: Not Relevant  
178 (D) TOPOLOGY: linear  
179

180 (ii) MOLECULE TYPE: DNA (genomic)  
181  
182  
183  
184

## 185 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

186  
187 GCATGGATCC CAGCCTGATG CCCCTGGCC  
188

29

## 189 (2) INFORMATION FOR SEQ ID NO:4:

190  
191 (i) SEQUENCE CHARACTERISTICS:  
192 (A) LENGTH: 30 base pairs  
193 (B) TYPE: nucleic acid  
194 (C) STRANDEDNESS: Not Relevant  
195 (D) TOPOLOGY: linear  
196

197 (ii) MOLECULE TYPE: DNA (genomic)  
198  
199  
200  
201

## 202 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

203  
204 GCATTCTAGA CCCTGCTGAG TCTGAAAAGC  
205

30

RAW SEQUENCE LISTING  
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206 (2) INFORMATION FOR SEQ ID NO:5:

207

208 (i) SEQUENCE CHARACTERISTICS:

209 (A) LENGTH: 29 base pairs

210 (B) TYPE: nucleic acid

211 (C) STRANDEDNESS: Not Relevant

212 (D) TOPOLOGY: linear

213

214 (ii) MOLECULE TYPE: DNA (genomic)

215

216

217

218

219 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

220

221 GACTGCATGC ACCAGAGGAA AGTGGTGTC

29

222

223 (2) INFORMATION FOR SEQ ID NO:6:

224

225 (i) SEQUENCE CHARACTERISTICS:

226 (A) LENGTH: 29 base pairs

227 (B) TYPE: nucleic acid

228 (C) STRANDEDNESS: Not Relevant

229 (D) TOPOLOGY: linear

230

231 (ii) MOLECULE TYPE: DNA (genomic)

232

233

234

235

236 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

237

238 GACTAGATCT CCTTCGCAGC TTCCGGCAC

29

239

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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/469,641**

DATE: 11/08/95  
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***INPUT SET: S7161.raw***

Line	Error	Original Text
169	Stop Codon at end of sequence removed - no error	